

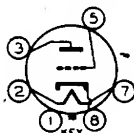
6P5-GT/G



6P5-GT/G

DETECTOR AMPLIFIER TRIODE

Heater	Coated Unipotential Cathode
Voltage	6.3 a-c or d-c volts
Current	0.3 amp.
Direct Interelectrode Capacitances: ^o	
Grid to Plate	2.6 $\mu\mu\text{f}$
Grid to Cathode	3.4 $\mu\mu\text{f}$
Plate to Cathode	5.5 $\mu\mu\text{f}$
Maximum Overall Length	3-5/16"
Maximum Seated Height	2-3/4"
Maximum Diameter	1-5/16"
Bulb	T-9
Base	Intermediate Shell Octal 6-Pin
Pin 1 - No Connection	Pin 5 - Grid
Pin 2 - Heater	Pin 7 - Heater
Pin 3 - Plate	Pin 8 - Cathode
Mounting Position	Any



BOTTOM VIEW (G-6Q)

Maximum Ratings Are Design-Center Values

AMPLIFIER

Plate Voltage	250 max. volts
Plate Dissipation	1.25 max. watts
Typical Operation and Characteristics - Class A ₂ Amplifier:	
Plate	100 250 volts
Grid #	-5 -13.5 volts
Amp. Fact.	13.8 13.8
Plate Res.	12000 9500 ohms
Transcond.	1150 1450 μmhos
Plate Cur.	2.5 5 ma.

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

° With shield connected to cathode. Values are approximate.

* Under maximum rated conditions, the d-c resistance in the grid circuit should not exceed 1.0 megohm.

Curves for the Type 6P5-GT/G are the same as for the 56 and the 76.

Dec. 1, 1942

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

DATA